

# Barcode Scanner

User manual (V1.0)

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## Introduction and Features

- Wireless mode allows you to feel free to use flexible. One-click matching with various PCs.
- Outdoor 30 meters visual transmission distance (Bluetooth transmission mode).
- Large capacity storage, safe and reliable.
- In storage mode stores barcodes more than 50,000pcs.
- Support normal mode, storage mode and switch freely.
- Support Windows XP、Win7、Win8、Win10、operating system PC& Android devices and IOS devices.
- Support Bluetooth communication, 2.4G communication, USB communication (optional), 433 communication (optional)
- Support Bluetooth HID protocol, SPP protocol and BLE protocol (Bluetooth Transmission Mode).
- Unit power management system, ultra-long standby time.
- Rich symbologies supported.
- With vibration, sound prompt.
- Adopting imported trigger button, long life, fitting perfectly in your hand for comfortable use.

## Initialization Setting & Version Information

During usage, if you scan other set-up barcode by mistakes and the scanning cannot perform as normal way, you can scan the initialization set-up barcode to revert.



Initialization Setting



Display Version Information

## Pair with Android, IOS operating system smartphones or tablets or PC terminals that with Bluetooth function(Bluetooth Pairing Steps)

A.Start the scanner and long press for 8 seconds to enter"Bluetooth HID Pairing Mode"



HID Pair Set-up Barcode

B: Turn on Bluetooth in the device to detect bluetooth device named with " Barcode Scanner HID".Click "Barcode Scanner HID" to enter pairing status. If pair successfully, you will hear a beep.

Note: When the scanner enters the state of matching and it does not pair with bluetooth successfully within 1 minute, there is 2 times long low sound indicated failing match and return to scanning mode.

## Pull up and Hide Keyboard of IOS System



pull up and Hide Keyboard of IOS System



Trigger twice to pull up IOS keyboard



Trigger twice to disable IOS keyboard

## Sound and Vibration Setting.

Select the desired to turn on/off the sound or vibration set-up

barcode



Turn off the Sound



Turn on the Sound



Vibration off (optional)



Vibration on (optional)

## Dormancy time Setting



dormancy after 1 min



dormancy after 5 mins



dormancy after 10 mins



dormancy after 30 mins



Never enters dormancy



dormancy fastly

## Bluetooth Mode Setting

Select the desired communication bluetooth protocol barcode.



Bluetooth HID Mode



Bluetooth SPP Mode



Bluetooth BLE Mode



Bluetooth 2.4G Mode

In any mode, press and hold the scan button for 8 seconds to enter the HID mode.

When using 2.4G mode for the first time, you need to scan "Force Code Pairing with Dongle" to release the possible binding between the scanner and other adapters, then scan the "2.4G Mode" setting barcode, and then insert the 2.4G adapter into the computer connect. The scanner emits a short low-frequency tone to indicate that the connection is successful, and the one-to-one binding between the adapter and the scanner is realized, and the automatic connection with the bound adapter will be realized next time. If you need to unbind, follow the steps for the first use.



Compulsory pairing with Dongle

## Other wireless communication modes (optional)



433 wireless communication mode



Virtual Bluetooth mode

Note: The settings of 433 mode and virtual bluetooth mode are the same as 2.4G mode, the first time you need to scan "Force Code Pairing with Dongle" to release the possible binding between the scanner and other adapters.

In addition, virtual serial port can be used in 433 mode.



Virtual serial port mode

## Quick connection paired with NFC

The scanner supports quick pairing and connection with NFC-enabled mobile phones or devices.

Step 1: Set the scanner in HID mode.

Step 2: Turn on NFC on your phone or device

Step 3: Put the NFC tag position of the phone or device close to the NFC tag position of the scanner

Step 4: Click "Yes" according to the phone prompt to pair and connect.

## End Character Setting

Select the end barcode you want to add.



Add CR



Add LF



Add CR+LF



Cancel CR+LF



Add TAB

## Transmission Speed Setting

Select the corresponding transmission speed according to PC receiving speed.



Fast



Medium



Low



Very Low

## Keyboard Language Settings



English



German



French



Spanish



Italian



Japanese

## Operating Mode

In normal mode, the scans are uploaded directly to computer via USB cable. If succeeds, barcode scanner will make a low-frequency short tone. If it fails, there will be three low frequency short tones to alarm. In normal mode, if fails, the data will be lost. You can scan below:



Normal Mode

If the transfer range is beyond Bluetooth wireless transfer range. Storage mode is suggested, in which scans are stored in internal storage after being scanned.

In storage mode, if a barcode is scanned and the scanner will make a short tone and scans are automatically stored in scanner's internal storage.

If the internal storage is full, the scanner will emit three low-frequency short tones to alarm.



Storage mode

By scan "Total amount of stored barcode" barcode, to check the total amount of scanned barcodes in storage:



Total amount of stored barcode

Upload the stored data by scanning the "Data Upload" barcode.



Data Upload

Note: When uploading data, please ensure the wireless signal is perfect, or upload after connecting with USB cable.

By scanning "Clear Data" to clear the scans in storage, the cleared scans won't be uploaded once cleared. Please confirm whether the scans have been uploaded before clear them.



Clear Data

## GS Conversion Character Setting



Open GS character conversion



Turn off GS character conversion

## Bluetooth Name Change Settings

A. Scan Bluetooth Name Change Set-up Barcode:



Bluetooth Name Setting

B. Scan the user-defined barcode of bluetooth name within 16 characters (Symbology unlimited, letter, number or symbol works). If customer wants to change the bluetooth name as you like it, you should equipped with bar code generator yourself.  
For example, Once you make a bar code of Scanner123, the bluetooth name of scanner would be changed as Scanner123 after scanning the bar code you made.



Scanner123

Note: Once initialized, the bluetooth name would revert to the default.



Restore default settings

## Hide Front and Back Characters

A: Scan "Hide front character" or "Hide back character" Setting Barcode.



Hide front character



Hide back character

B: Scan hide quantity of characters



Hide 1 Character



Hide 2 Characters



Hide 3 Characters



Hide 4 Characters



Hide 5 Characters





Hide 6 Characters



Hide 7 Characters



Hide 8 Characters

Note: If you want to cancel "Hide front and back characters" operation, please scan barcodes of "Hide front character" or "Hide back character" Setting Barcode.

## Prefix and Suffix Settings

A: Scan the "Allow for Prefix Adding" or "Allow for Suffix Adding" setting barcode.



Allow for Prefix Adding



Allow for Suffix Adding

B: Select the desired contents of prefix or suffix (Appendix A)  
 Note: If you want to cancel Prefix or Suffix Adding operation, please scan barcodes of "Allow for Prefix Adding" or "Allow for Suffix Adding" Setting Barcode once more.

## Appendix A:



SOH



^B



^C



EOT



ENQ



ACK



BLE



Back Space



Tab



LF



VT



FF



CR



F1



F2



F3



F4



F5



US



Blank



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"



#



\$



F12



SUB



Esc



FS



GS



RS



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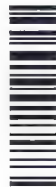
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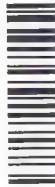


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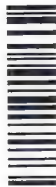
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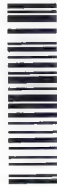
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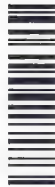
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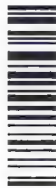
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Battery power display

## FAQ

### ◆ What should I do if I can not pair scanner with Bluetooth devices?

Answer: Please make sure that scanner is in the matching state under corresponding bluetooth protocol.

If the devices has connected successfully with other barcode scanner via bluetooth, or other devices. Please delete the bluetooth connection record before connecting.

### ◆ Why some symbologies fail to be read?

Answer: The scanning module does not support the symbology or the symbology has been turned off, please contact with the vendor to turn on the code system.

### ◆ Why scans fails to be uploaded to computer or smartphone ?

Answer: a.Please make sure if they have been successfully paired, if yes, the LED indicator of the bluetooth barcode scanner is blue.

b.Please check if it is in "Storage Mode" . (In "Storage Mode" scans won't be uploaded automatically, please scan "Data Upload" setting code manually to upload the scan is required)

c.Please switch to "Normal Mode" to scan and upload simultaneously.

### ◆ Why the barcode content is not correct?

Answer: Please make sure that the PC or smartphone keyboard language is the same as Barcode Scanner language.

### ◆ Why does the scanner cannot charge?

Answer: Please select correct charger. The charging circuit or battery has been damaged.

### ◆ How to change more scanning settings?

Answer: Please contact your barcode scanner vendor.

## Buzzer and Indicator Light State

### A. Buzzer

Sound Type	Description
a long sound ( First low then high frequency )	Means power on
a long sound ( First high then low frequency )	Means power off
a short sound ( low frequency )	Means read barcode
a short sound ( First low then high frequency )	Means data has been stored
a short sound ( First high then low frequency )	Means scan the set-up barcode
a long sound ( low frequency three times )	Means wireless transmission failed or cache is full

During normal usage or start-up process, if the buzzer continuously makes five times long sound(low frequency), then automatically power off. It means the power capacity is too low and need to be charged before use.

## B. LED Indicator light

Indicator tape	Description
Blue and green lights flash at the same time	Enter into HID pairing state
Blue and green lights flash alternately	Enter into BLE pairing state
Blue light flashes alone	Enter into SPP pairing state
The blue light is on and the green light is flashing	Enter into 2.4G pairing state
Red light always on	Charging state,after full,it will be off
Red light flickers	Poor battery contact
Green light on and off immediately	Read barcode successfully and make a short sound



